

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic signal at the intersection of MD 26 (Liberty Road) with Wards Chapel Road in Baltimore County, Maryland due to the addition of a second through lane on the eastbound approach.

MD 26 is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

1. The existing pole-mounted signal cabinet and controller will remain in operation. The intersection is to operate in a NEMA 6-phase, fully-actuated mode. Video detection will be placed into operation on all approaches.

NOTES

1. For final pavement markings, refer to the pavement marking plans, as applicable; other than those detailed on the plan. All pavement markings shall be installed in accordance with Administration standards.
2. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
3. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in the appropriate 800 series Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
5. The contractor shall maintain the continuous operation of all vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT

MR. DAVID PEAKE
DISTRICT ENGINEER
410-229-2310

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-229-2381

MR. MICHAEL PASQUARIELLO
UTILITY ENGINEER
410-229-2341

MR. DONALD SCHAEFER
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-229-2421

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-229-2361

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

CAT CODE	DESCRIPTION	UNITS	QUANTITY
973023	SHEET ALUMINUM SIGNS CONSISTING OF: W9-2(4)(L) (30" X 42")	SF	9
		EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

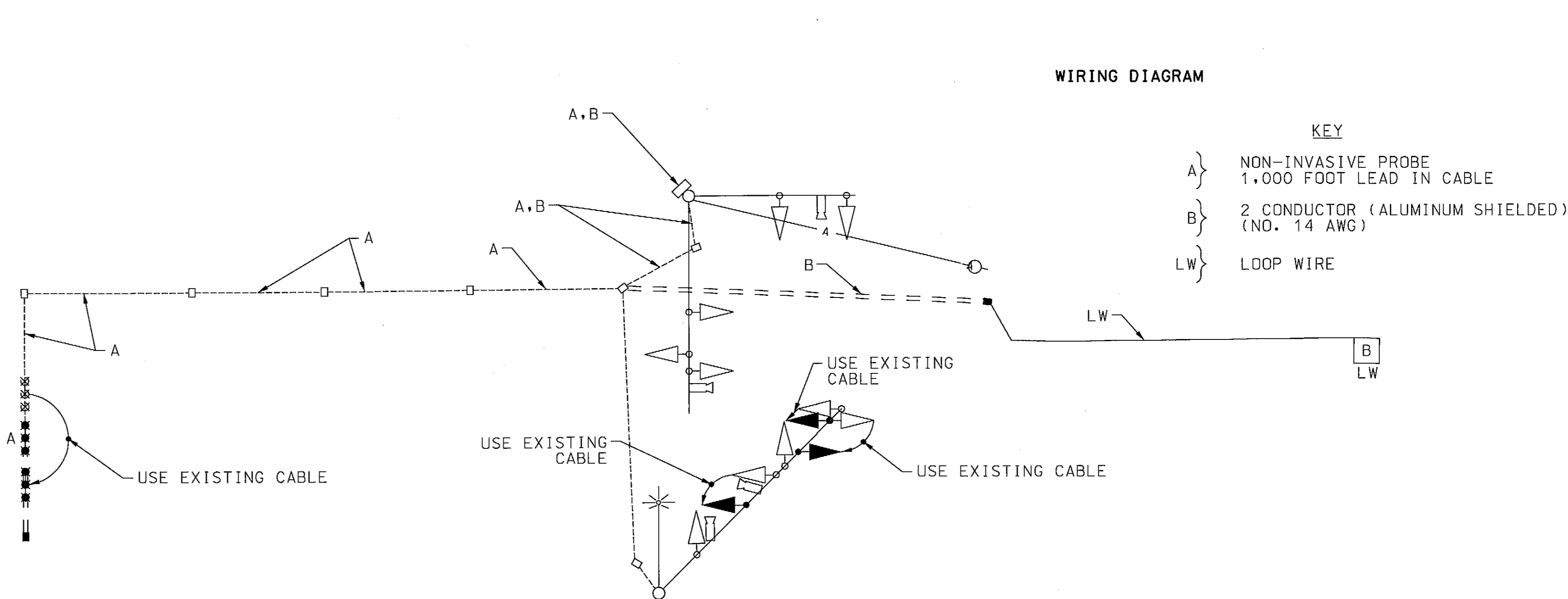
CAT CODE	DESCRIPTION	UNITS	QUANTITY
585625	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING	LF	100
805135	3 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED	LF	20
805155	4 INCH SCHEDULE 80 PVC CONDUIT - SLOTTED	LF	100
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	400
810605	NON-INVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE	EA	1
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
813015	INSTALL OVERHEAD SIGN	SF	9
860265	RELOCATE EXISTING SIGNAL HEAD	EA	3
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	150
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 4 AWG)	LF	470
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	400

C. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6											
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R	R	
1 AND 6 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	
PHASE 2 AND 5	R	R	R	+GG	+GG	G	R	R	R	R	
2 AND 5 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

WIRING DIAGRAM



ULTIMATE

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 (LIBERTY ROAD) AT WARDS CHAPEL ROAD
RANDALLSTOWN, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE AUGUST 2011 CONTRACT NO. BA6126187

DESIGNED BY A. GRIFFIN COUNTY BALTIMORE
DRAWN BY A. GRIFFIN LOGMILE 03002501.22
CHECKED BY K. BINKER T.I.M.S. NO. K061
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 621E DRAWING NO. **PSG OF N002** SHEET NO. 42 OF 47

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